

(19)



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(11)

EP 1 122 344 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.01.2002 Bull. tin 2002/05

(51) Int Cl.7: D01F 9/127, H01J 31/12,
H01M 4/58, H01J 1/304

(43) Date of publication A2:
08.08.2001 Bulletin 2001/32

(21) Application number: 01102417.1

(22) Date of filing: 02.02.2001

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 04.02.2000 JP 2000028001
04.02.2000 JP 2000028003
12.01.2001 JP 2001004550

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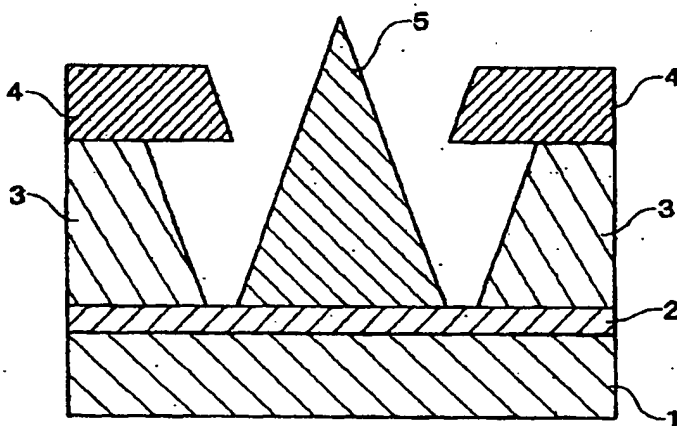
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(54) Graphite nanofibers and their use

(57) A graphite nanofiber material herein provided has a cylindrical structure in which graphene sheets each having an ice-cream cone-like shape whose tip is cut off are put in layers through catalytic metal particles; or a structure in which small pieces of graphene sheets having a shape adapted for the facial shape of a catalytic metal particle are put on top of each other through the

catalytic metal particles. The catalytic metal comprises Fe, Co or an alloy including at least one of these metals. The material can be used for producing an electron-emitting source, a display element, which is designed in such a manner that only a desired portion of a luminous body emits light, a negative electrode carbonaceous material for batteries and a lithium ion secondary battery.

FIG.1





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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 2417

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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28-11-2001

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